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AMENDMENTS TO THE CLAIMS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1-20. (Previously Canceled)
- 21. (Previously Presented) A method for controlling a device for setting a material placed on a textile, comprising the steps of:

receiving a power intensity value;

initiating a counter;

incrementing the counter by the power intensity value;

determining whether the counter is greater than a base resolution; and,

generating a power intensity output signal based on a determination that the counter is greater than the base resolution.

- 22. (Previously Presented) The method of Claim 21, wherein the steps of the method are repeated continuously until the expiration of a predetermined period of time.
- 23. (Previously Presented) The method of Claim 21, further comprising the step of: selecting the power intensity value via a power intensity selector.
- 24. (Previously Presented) The method of Claim 21, further comprising the steps of: determining a feature of the device; and,

generating a shutdown signal based on a determination that the feature has exceeded a predetermined threshold value.

- 25. (Previously Presented) The method of Claim 21, further comprising the step of: re-initiating the counter after generating the power intensity output signal.
- 26. (Previously Presented) The method of Claim 21, further comprising the step of: transmitting the power intensity output signal to a device for setting the material.
- 27. (Previously Presented) The method of Claim 21, further comprising the step of: selecting at least one of a plurality of lamps to receive the power intensity output signal.

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28. (Previously Presented) A system for controlling a device for setting a material placed on a textile, the device operably connected to a programmable logic controller comprising:

a power intensity value;

an application module for:

initiating a counter;

incrementing the counter by the power intensity value;

determining whether the counter is greater by a base resolution; and,

generating a power intensity output signal based on a determination that the counter is greater than the base resolution.

- 29. (Previously Presented) The system of Claim 28, wherein a shutdown signal is generated for the system upon the expiration of a predetermined period of time.
- 30. (Previously Presented) The system of Claim 29, further comprising a time cycle selector for determining the predetermined period of time.
- 31. (Previously Presented) The system of Claim 28, further comprising a power intensity selector for determining the power intensity value.
- 32. (Previously Presented) The system of Claim 28, further comprising a sensor for determining a feature of the system.
- 33. (Previously Presented) The system of Claim 32, further comprising an actuator for generating a shutdown signal upon a determination that the feature has exceeded a predetermined threshold value.
- 34. (Previously Presented) The system of Claim 28, wherein the application module is also for re-initiating the counter after generating the power intensity output signal.
- 35. (Previously Presented) The system of Claim 28, wherein the application module is also for transmitting the power intensity output signal to a device for setting the material.
- 36. (Previously Presented) The system of Claim 28, further comprising a selector for selecting at least one of a plurality of lamps to receive the power intensity output signal.
- 37. (Currently Amended) A system for controlling a device for setting material placed on a textile, the device operably connected to a programmable logic controller comprising:

a power intensity selector for selecting a power intensity value;

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- a time cycle selector for selecting a duration value;
- a temperature selector for selecting a temperature value;
- a base resolution selector for selecting a base resolution;

a selector for selecting at least one of a plurality of lamps to receive the power intensity output signal; and

an application module <u>configured to</u> <u>comprising logic for: initiating initiate</u> a counter; <u>incrementing increment</u> the counter by the power intensity value; <u>determining determine</u> whether the counter is greater than the base resolution; upon a determination that the counter is greater than the base resolution, <u>generating generate</u> a power intensity output signal and decrementing the counter by the base resolution; otherwise, <u>increment incrementing</u> the counter by the power intensity value; <u>sensing sense</u> the temperature of an element of the system; <u>determining</u> <u>determining</u> <u>determining</u> whether the temperature of the element of the system has exceeded the temperature value; upon a determination that the temperature of the element of the system has exceeded the temperature value, <u>generating generate</u> a system shutdown signal; <u>determining determine</u> whether the counter has exceeded the duration value; and, upon a determination that the counter has exceeded the duration value, <u>generating generate</u> a system shutdown signal.